

PSYCHOLOGY 415 - EXPERIMENTAL PSYCHOLOGY II

Dr. Robert M. McFatter

Fall 2011

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TEXTS: *JMP Statistical Discovery Software*, by SAS Institute.

(available through university site license at <http://helpdesk.louisiana.edu>)

Notes on Experimental Design (Class Handout)

| <i>Week of</i> | <i>Material</i> |
|----------------|---|
| 22-Aug | |
| 29-Aug | Using JMP (Distributions, scatterplots, regression analyses, <i>t</i> -tests, one-way, two-way, and repeated measures analysis of variance, etc.) |
| 5-Sep | |
| 12-Sep | Design and Evaluation of Experiments (using class handout) |
| 19-Sep | |
| 26-Sep | |
| 3-Oct | <i>Exam</i> |
| 10-Oct | |
| 17-Oct | |
| 24-Oct | |
| 31-Oct | <i>Research Project 1 due</i> |
| 7-Nov | |
| 14-Nov | |
| 21-Nov | |
| 28-Nov | |
| 5-Dec | <i>Research Project 2 due</i> |

All dates above are tentative. Class attendance is required. If you miss more than 4 or 5 classes, I would recommend that you drop the course. A makeup exam will NOT be given except under very extraordinary circumstances. Unexcused absences from the exam receive a grade of zero.

There are 3 major aspects to this course:

- Use of the computer and a statistical package (*JMP* by SAS Institute) to do common statistical analyses of data.
- Fundamentals of design and evaluation of experiments.
- Design, execution, analysis, and write-up of research projects. In carrying out and writing up the two research projects, students will be expected to become competent in library research techniques.

Unless unforeseen circumstances develop, grades will be based on one exam and two research projects, each counting for a third of the final grade. Please come see me if you have any problems with the course.

Emergency Evacuation Procedures

A map of this floor is posted near the elevator marking the evacuation route and the Designated Rescue Areas. These are areas where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Students who may need assistance should identify themselves to the teaching faculty.

Services For Students With Disabilities

For information about SSD and SEP services, contact Kim A. Warren, MSW, PhD, LCSW, Supported Education Advisor, at 482-5252, by e-mail at kimawarren@louisiana.edu, or in the Conference Center, Room 126. Eligibility requirements are described at the SSD website. Also, there is free confidential help on campus for students with psychological disabilities (Bipolar, Depression, Anxiety, etc.).